Serial No. 09/435,054
Attorney Docket No. 0943

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

listing of claims

1-3. (Canceled)

4. (Previously Presented) A vector comprising at least one nucleic acid of claim 62.

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5. (Previously Presented) An expression cassette comprising at least one nucleic acid of claim 62 operably linked to a promoter, wherein the nucleic acid is in sense or antisense orientation.

6. (Original) The expression cassette of claim 5, wherein the nucleic acid is operably linked in antisense orientation to the promoter.

7. (Original) A host cell containing at least one expression cassette of claim 5.

8. (Original) The host cell of claim 7 that is a plant cell.

9. (Previously Presented) A transgenic plant comprising an isolated nucleic acid of claim 62.

10. (Original) The transgenic plant of claim 9, wherein the plant is corn, soybean, sorghum, wheat, rice, alfalfa, sunflower, canola or cotton.

11. (Previously Presented) A transgenic seed from the transgenic plant of claim 9.

12. (Previously Presented) The transgenic seed from the transgenic plant of claim 10.

13-14. (Canceled)

15. (Previously Presented) A ribonucleic acid sequence comprising a polynucleotide of claim 62.

16-61. (Canceled)

62. (Currently Amended) An isolated nucleic acid capable of ~~modulating the level~~ of LEC1 protein, wherein the LEC1 protein stimulates cell growth, the isolated ~~nucleic acid~~ comprising a member selected from the group consisting of:

(a) a polynucleotide which encodes a polypeptide of SEQ ID NO: 2;

(b) a polynucleotide having at least 80% sequence identity to the entire coding sequence of SEQ ID NO: 1, wherein the % sequence identity is determined by GAP analysis using Gap Weight of 50 and Length Weight of 3;

(c) a polynucleotide which hybridizes under high stringency conditions to the polynucleotide of SEQ ID NO: 1, wherein high stringency conditions include hybridization in 50% formamide, 1 M NaCl, 1% SDS at 37°C, and a wash in 0.1X SSC at 60°C;

(d) a polynucleotide having the sequence set forth in SEQ ID NO: 1; and

(e) a polynucleotide fully complementary to a polynucleotide of (b) through (d).

63. (Currently Amended) An isolated nucleic acid capable of modulating the level of LEC1 protein, wherein the LEC1 protein stimulates cell growth, the isolated nucleic acid comprising a polynucleotide which encodes a polypeptide of SEQ ID NO: 2 or a polynucleotide fully complementary thereof.

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64. (Previously Presented) An expression cassette comprising the isolated nucleic acid of claim 63.

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65. (Previously Presented) A transgenic plant cell comprising the isolated nucleic acid of claim 63.

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66. (Previously Presented) A transgenic plant comprising the isolated nucleic acid of claim 63.

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67. (Previously Presented) A transgenic plant seed comprising the isolated nucleic acid of claim 63.

68-72. (Canceled)

73. (Currently Amended) An isolated nucleic acid capable of modulating the level of LEC1 protein, wherein the LEC1 protein stimulates cell growth, the isolated nucleic acid comprising a polynucleotide having at least 80% sequence identity to the entire sequence of SEQ ID NO: 1, wherein the % sequence identity is determined by GAP analysis using Gap Weight of 50 and Length Weight of 3 or a polynucleotide fully complementary thereof.

74. (Previously Presented) An expression cassette comprising the isolated nucleic acid of claim 73.

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75. (Previously Presented) A transgenic plant cell comprising the isolated nucleic acid of claim 73.

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76. (Previously Presented) A transgenic plant comprising the isolated nucleic acid of claim 73.

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77. (Previously Presented) A transgenic plant seed comprising the isolated nucleic acid of claim 73.

78. (Currently Amended) An isolated nucleic acid capable of modulating the level of LEC1 protein, wherein the LEC1 protein stimulates cell growth, the isolated nucleic acid comprising a polynucleotide which hybridizes under high stringency conditions to the polynucleotide of SEQ ID NO: 1 or a polynucleotide fully complementary thereof, wherein high stringency conditions include hybridization of 50% formamide, 1 M NaCl, 1% SDS at 37°C, and a wash in 0.1X SSC at 60°C.

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79. (Previously Presented) An expression cassette comprising the isolated nucleic acid of claim 78.

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80. (Previously Presented) A transgenic plant cell comprising the isolated nucleic acid of claim 78.

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81. (Previously Presented) A transgenic plant comprising the isolated nucleic acid of claim 78.

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82. (Previously Presented) A transgenic plant seed comprising the isolated nucleic acid of claim 78.

83. (Currently Amended) An isolated nucleic acid capable of modulating the level of LEC1 protein, wherein the LEC1 protein stimulates cell growth, the isolated nucleic acid comprising a polynucleotide having the sequence set forth in SEQ ID NO: 1 or a polynucleotide fully complementary thereof.

84. (Previously Presented) An expression cassette comprising the isolated nucleic acid of claim 83.

85. (Previously Presented) A transgenic plant cell comprising the isolated nucleic acid of claim 83.

86. (Previously Presented) A transgenic plant comprising the isolated nucleic acid of claim 83.

87. (Previously Presented) A transgenic plant seed comprising the isolated nucleic acid of claim 83.

88. (Currently Amended) An isolated nucleic acid capable of modulating the level of LEC1 protein, wherein the LEC1 protein stimulates cell growth, the isolated nucleic acid comprising a polynucleotide encoding a polypeptide comprising the sequence set forth in SEQ ID NO: 23, wherein the polynucleotide is from a plant other than *Arabidopsis.*

89. (Previously Presented) An expression cassette comprising the isolated nucleic acid of claim 88.

90. (Previously Presented) A transgenic plant cell comprising the isolated nucleic acid of claim 88.

91. (Previously Presented) A transgenic plant comprising the isolated nucleic acid of claim 88.

92. (Previously Presented) A transgenic plant seed comprising the isolated nucleic acid of claim 88.

93-96. (Canceled)